

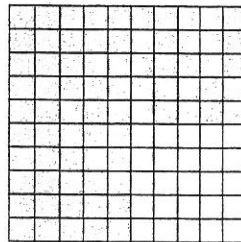


## Quick Review

You can describe part of a whole in 3 ways:

- as a fraction
- as a decimal
- as a percent

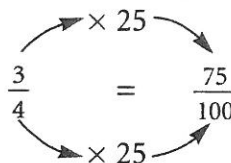
The hundredths grid has  $\frac{3}{4}$  of the squares shaded.



► To write a fraction as a percent, first write the fraction with denominator 100.

75 out of 100 squares are shaded.

$$\text{So, } \frac{3}{4} = 75\%$$



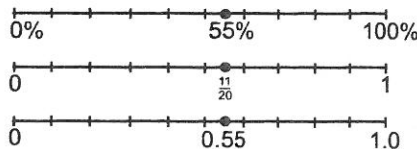
Since percent means per hundred,  $\frac{75}{100} = 75\%$

If you divide 75 by 100,  $\frac{75}{100} = 0.75$

So,  $75\% = 0.75$

► You can use number lines to show the relationships among fractions, decimals, and percents. For example:

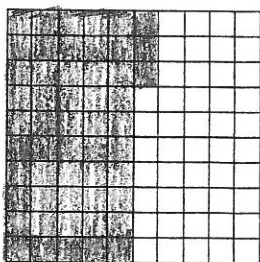
$$55\% = 0.55 = \frac{55}{100} = \frac{11}{20}$$



## Practice

1. Use a fraction, decimal, and percent to describe the shaded part of each grid.

a)

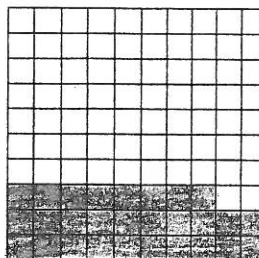


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b)

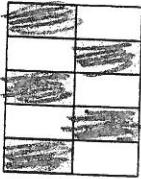
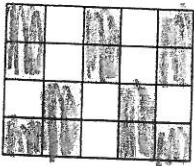
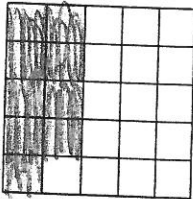
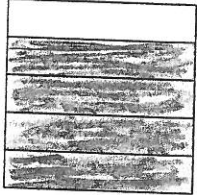
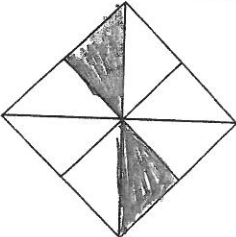


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2. Complete the chart.

Shape	Shaded region as a fraction	Shaded region as a decimal	Shaded region as a percent
			
			
			
			
			

3. Write each fraction as a decimal, and then as a percent.

Use a calculator if necessary.

a)  $\frac{3}{10} = \underline{\quad} = \underline{\quad}$

b)  $\frac{9}{10} = \underline{\quad} = \underline{\quad}$

c)  $\frac{8}{50} = \underline{\quad} = \underline{\quad}$

d)  $\frac{9}{20} = \underline{\quad} = \underline{\quad}$

e)  $\frac{2}{5} = \underline{\quad} = \underline{\quad}$

f)  $\frac{12}{40} = \underline{\quad} = \underline{\quad}$

g)  $\frac{1}{5} = \underline{\quad} = \underline{\quad}$

h)  $\frac{6}{30} = \underline{\quad} = \underline{\quad}$

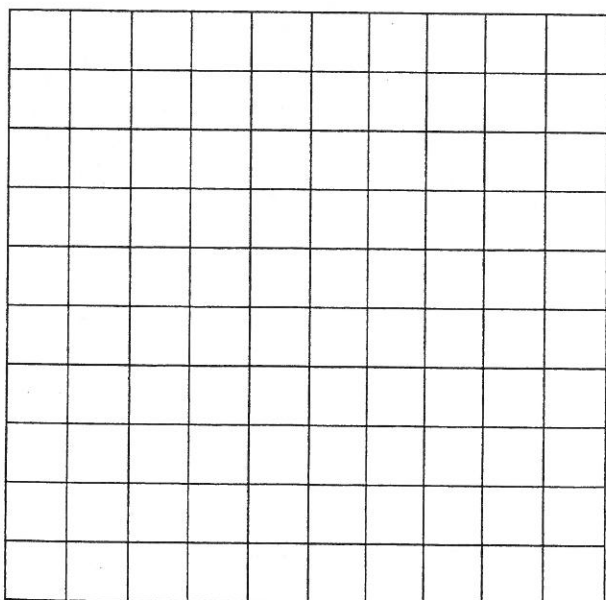
i)  $\frac{3}{25} = \underline{\quad} = \underline{\quad}$

4. Bennett had 19 out of 20 on a spelling test.  
Write Bennett's mark as a percent.
- 

5. In Ms. Khan's class, 22 out of 25 students hand in their projects on time.  
What percent of the students hand in their projects on time?
- 

6. Use 4 different colours to shade the squares on the hundredths grid below, as given in the table.  
Describe each coloured part as a fraction, a decimal, and a percent.

Colour	Fraction	Decimal	Percent
Red	$\frac{6}{25}$		
Yellow			35%
Green		0.20	
Purple			18%
White			



7. Lucy and Victor are sharing pens.

Lucy has  $\frac{1}{4}$  of the pens, and Victor has 20% of the pens.

Who has more pens? Explain.

Since \_\_\_\_\_ % > \_\_\_\_\_ %, \_\_\_\_\_

8. Raymond surveyed 10 classmates to find out which shoe, left or right, each person puts on first.

His results are shown in this table.

Left Shoe First	Right Shoe First

- a) What percent of the students surveyed put on their left shoe first?

\_\_\_\_\_

- b) What percent of the students surveyed put on their right shoe first?

\_\_\_\_\_

9. The Fashion Depot is having a big sale this week.

Everything is  $\frac{1}{5}$  off the regular price.

What percent of the regular price do you pay? Explain.

**HINT**

The regular price is 100%.  
Write  $\frac{1}{5}$  as a percent.  
Then, subtract from  
the regular price.



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